FAST IDE Planning Conference

Future Possibilities

WR-ALC/RE

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Chief Technologist

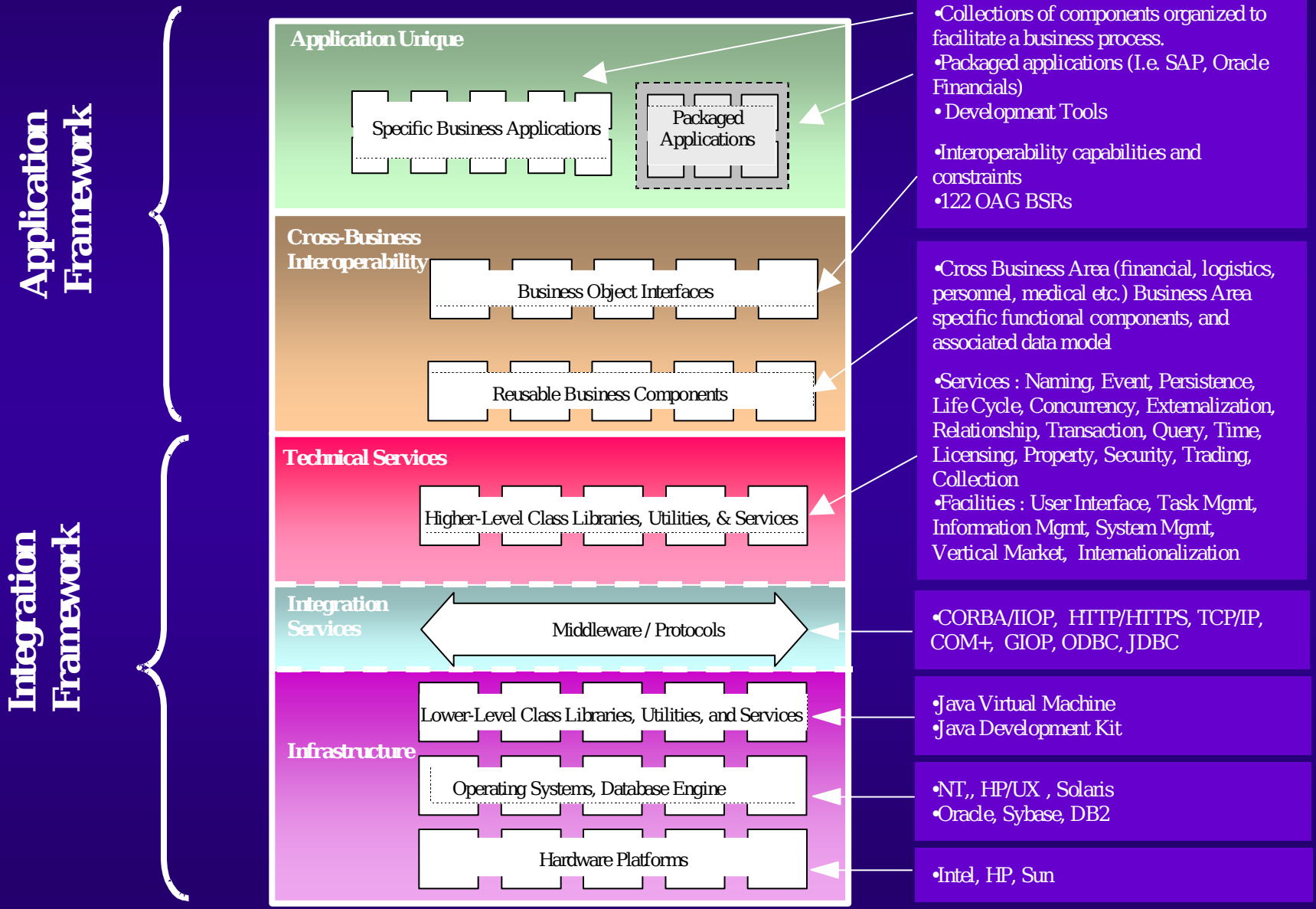
Who Is RE?

- Proactive catalyst for Process Reengineering & Improvement for WR-ALC
- Involved with fundamental Process redesign of Major Depot Business Processes
- Application of appropriate Automation & Information Technology
  - IDE & EAI technologies
- Ultimate Goal- Increase Combat Readiness

Where WR-ALC is Going With IDE

- Global Combat Support System- AF
- WR-ALC Enterprise IDE Standards
- RE Enterprise Architecture

GCSS-AF Reference Architecture


Application Framework
Integration Framework
Application Unique
Specific Business Applications
Packaged Applications
Cross-Business Interoperability
Business Object Interfaces
Reusable Business Components
Technical Services
Higher-Level Class Libraries, Utilities, & Services
Integration Services
Middleware / Protocols
Infrastructure
Lower-Level Class Libraries, Utilities, and Services
Operating Systems, Database Engine
Hardware Platforms
•Collections of components organized to facilitate a business process.
•Packaged applications (I.e. SAP, Oracle Financials)
• Development Tools
•Interoperability capabilities and constraints
•122 OAG BSRs
•Cross Business Area (financial, logistics, personnel, medical etc.) Business Area specific functional components, and associated data model
•Services : Naming, Event, Persistence, Life Cycle, Concurrency, Externalization, Relationship, Transaction, Query, Time, Licensing, Property, Security, Trading, Collection
•Facilities : User Interface, Task Mgmt, Information Mgmt, System Mgmt, Vertical Market, Internationalization
•CORBA/IIOP, HTTP/HTTPS, TCP/IP, COM+, GIOP, ODBC, JDBC
•Java Virtual Machine
•Java Development Kit
•NT,, HP/UX , Solaris
•Oracle, Sybase, DB2
•Intel, HP, Sun

ALC Enterprise IDE Standards

Distributed Computing Standards
- MS Common Object Model (COM)
- Java 2 Enterprise Edition (J2EE)
- MS .NET

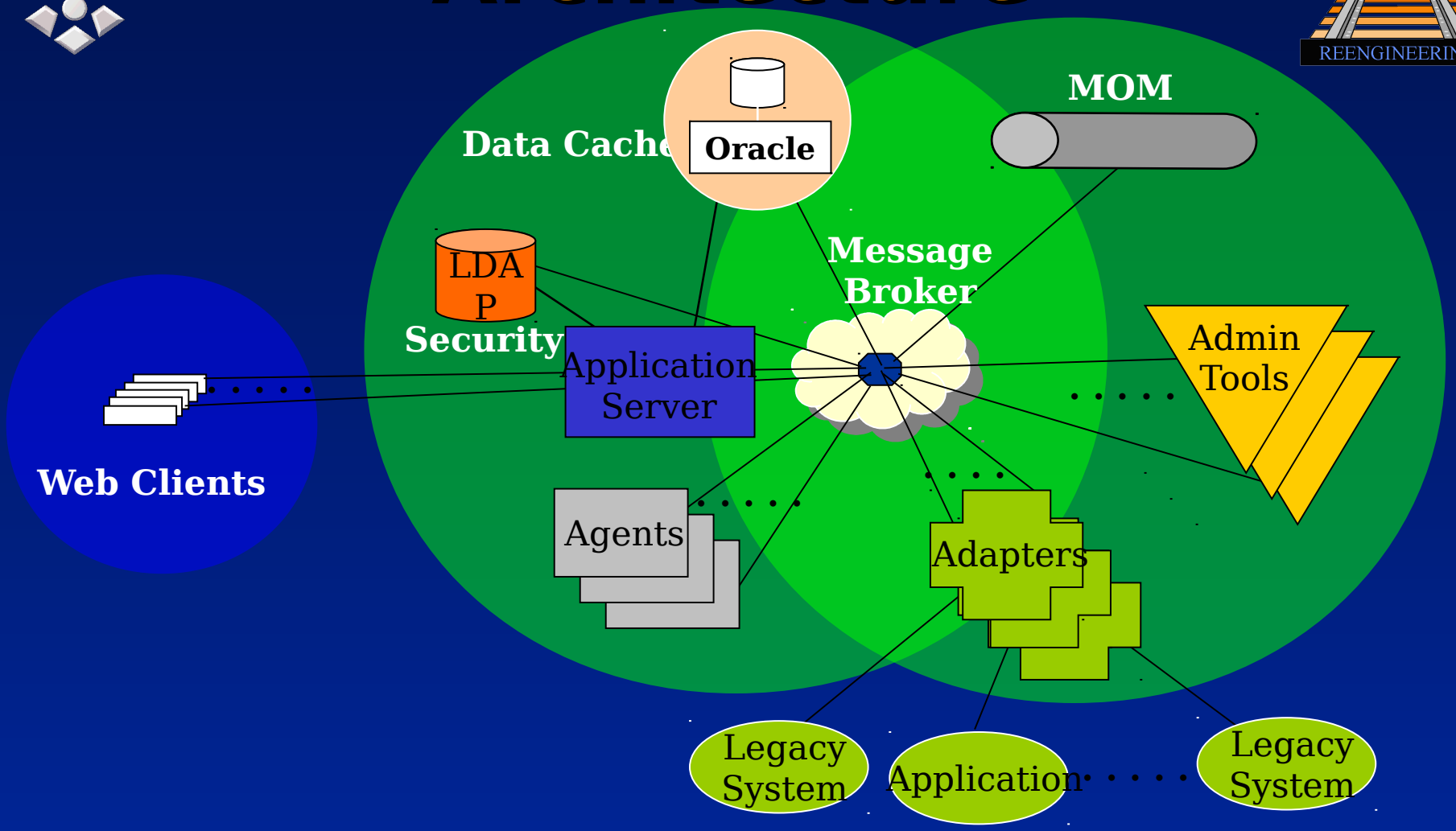
Data Interchange/Messaging Standards
- Open Applications Group Integration Specification (OAGIS)
- Open Applications Group Middleware API Spec (OAMAS)
- Business Object Documents (BOD)
- XML
- Simple Object Access Protocol (SOAP)

Database Access Standards
- ODBC
- PL/SQL
- JDBC
- ANSI SQL-92

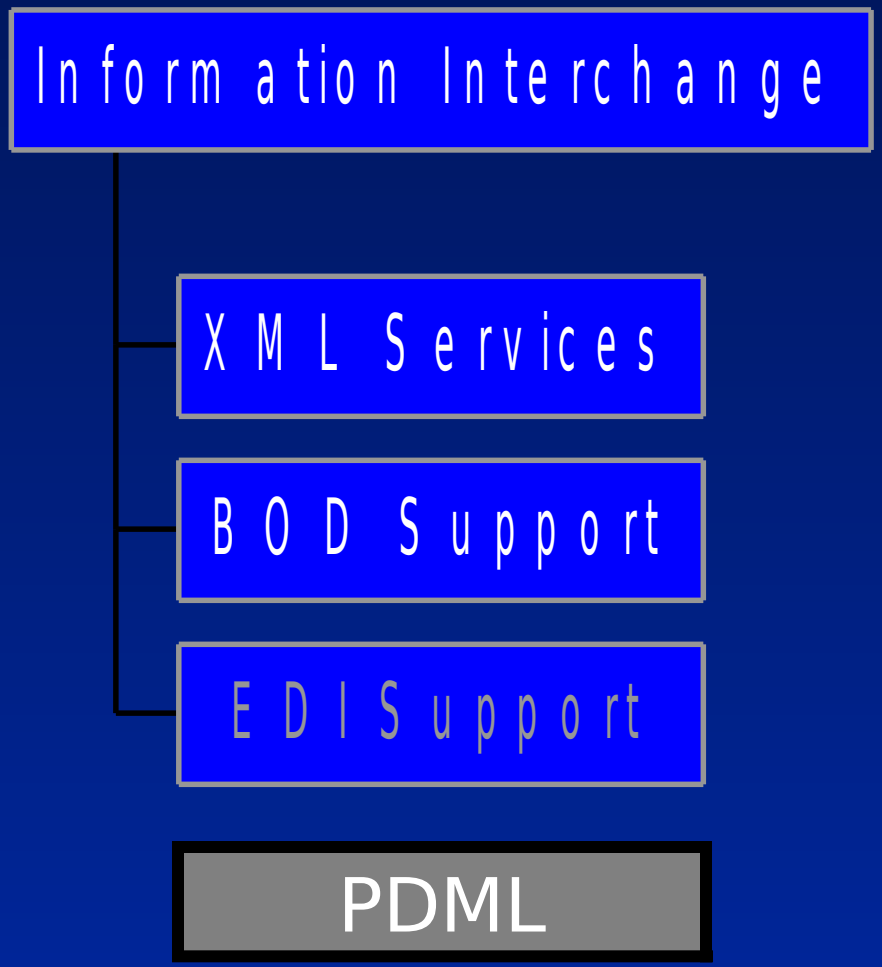
Security
- PKI (certificates for authenticat
- HTTPS/SSL (data encryption)

Presentation Standards
- HTML/DHTML/HTTP
- VB Script
- Java Script
- Active Server Pages (ASP)
- Java Server Pages (JSP)
- Java Applets (signed)
- ActiveX
- W3C XML
- CGI

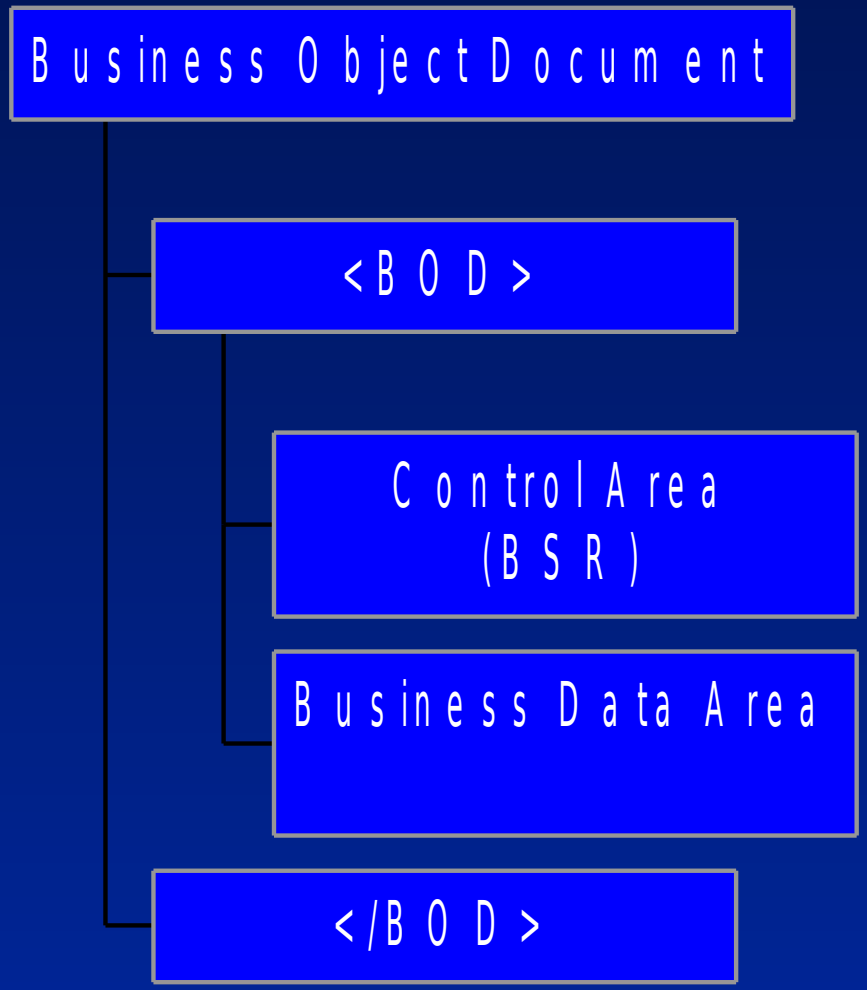
RE Enterprise Architecture



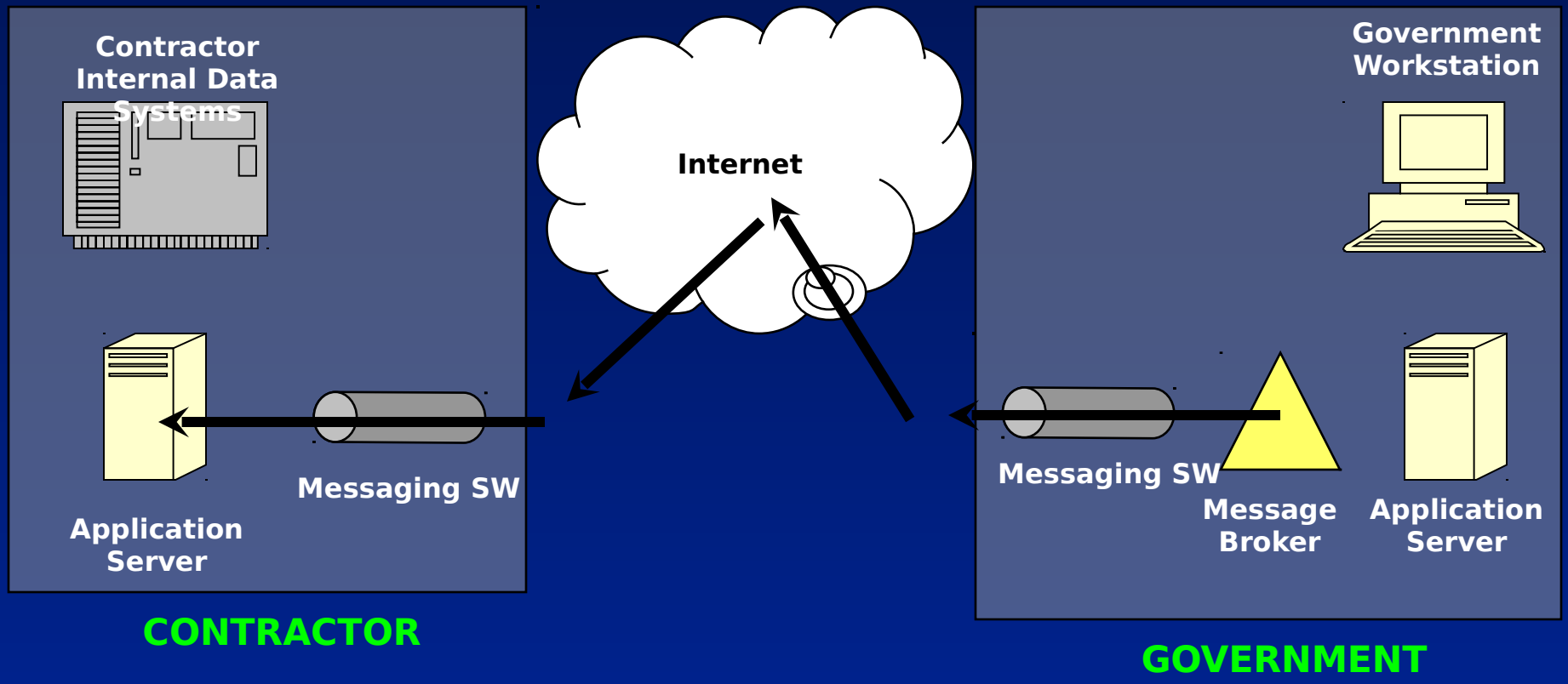
GCSS-AF Information Interchange



Business Object Document



Example BOD Transaction
Send BSR



Example BOD Transaction
BOD Response